

Appln No.: 10/064,235
Amendment Dated: July 28, 2005
Reply to Office Action of June 28, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (canceled)

11. (previously presented) A system comprising a helical suture instrument and apparatus having a first end and a second end, the first end comprising a spatulate member having a first length along a first axis;

the helical suture instrument having a cylindrical axle defining a second axis and a helical portion, the helical portion having a helical outer diameter and having a second axial length along the second axis, the second end of the apparatus comprising a guide shaped to receive the cylindrical axle for rotation on the second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes each lying within a plane and constrained to lie within that plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane; wherein the first and second axes are farther apart than the helical outer diameter, whereby there is space between the helical portion and the apparatus;

wherein the first length is at least five-sixths of the second length.

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12. (original) The system of claim 11 wherein the first length is greater than the second length.

13. (original) The system of claim 11 wherein the guide comprises two members each extending toward the second axis from the first axis, each of the two members having a hole shaped to receive the cylindrical axle.

14. (original) The system of claim 11, further characterized in that the extensions in the first and second directions define a width, the width being less than one-third of the first length.

15. (original) The system of claim 11 wherein the spatulate member is symmetric relative to the first axis.

16-17. (canceled)

18. (previously presented) The system of claim 11 further characterized as being sterile.

19. (previously presented) A system comprising a helical suture instrument and apparatus having a first end and a second end, the first end comprising a spatulate member having a first length along a first axis;

the helical suture instrument having a cylindrical axle defining a second axis and a helical

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portion, the helical portion having a helical outer diameter and having a second axial length along the second axis, the helical portion surrounding an open helical center, the second end of the apparatus comprising a guide shaped to receive the cylindrical axle for rotation on the second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes each lying within a plane and constrained to lie within the plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane;

wherein the first and second axes are farther apart than the helical outer diameter, whereby there is space between the helical portion and the apparatus;

wherein the first length is at least five-sixths of the second length.

20. (canceled)

21. (previously presented) A system comprising a helical suture instrument and apparatus having a first end and a second end, the first end comprising a spatulate member having a first length along a first axis;

the helical suture instrument having a cylindrical axle defining a second axis and a helical portion, the helical portion having a helical outer diameter and having a second axial length along the second axis, the second end of the apparatus comprising a guide shaped to receive the cylindrical axle for rotation on the second axis, the guide shaped to

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constrain the first axis in fixed position relative to the second axis, the first and second axes each lying within a plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane;

wherein the first and second axes are farther apart than the helical outer diameter, whereby there is space between the helical portion and the apparatus; wherein the first length is at least five-sixths of the second length.

22. (previously presented) A system comprising a helical suture instrument and apparatus having a first end and a second end, the first end comprising a spatulate member having a first length along a first axis;

the helical suture instrument having a cylindrical axle defining a second axis and a helical portion, the helical portion having a helical outer diameter and having a second axial length along the second axis, the helical portion surrounding an open helical center, the second end of the apparatus comprising a guide shaped to receive the cylindrical axle for rotation on the second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes each lying within a plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane; wherein the first and second axes are farther apart than the helical outer diameter, whereby there is space between the helical portion and the apparatus; wherein the first length is at least five-sixths of the second length.

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23. (previously presented) A helical suture instrument and apparatus having a first end and a second end, the first end comprising a spatulate member having a first length along a first axis;

the helical suture instrument having a cylindrical axle defining a second axis and a helical portion, the helical portion having a helical outer diameter and having a second axial length along the second axis, the second end of the apparatus comprising a guide shaped to receive the cylindrical axle for rotation on the second axis.

24. (previously presented) An apparatus having a first end and a second end, the first end comprising a spatulate member having a length along a first axis; the second end comprising a guide shaped to receive a cylindrical axle for rotation on a second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes constrained to lie within a single plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane;

wherein the first and second axes are more than one-quarter inch apart and less than an inch apart.

25. (previously presented) An apparatus having a first end and a second end, the first end comprising a spatulate member having a length along a first axis;

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the second end comprising a guide shaped to receive a cylindrical axle for rotation on a second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes constrained to lie within a single plane; the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane,

wherein the length of the spatulate member is greater than one inch and less than seven inches.

26. (previously presented) An apparatus having a first end and a second end, the first end comprising a spatulate member having a length along a first axis;

the second end comprising a guide shaped to receive a cylindrical axle for rotation on a second axis, the guide shaped to constrain the first axis in fixed position relative to the second axis, the first and second axes constrained to lie within a single plane;

the spatulate member extending in a first direction and a second direction from the first axis, the first direction and second direction being on opposite sides of the plane;

further characterized in that the extensions in the first and second directions define a width, the width being less than one-third of the length.

27. (previously presented) The system of claim 21 wherein the first length is greater than the second length.

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28. (previously presented) The system of claim 21 wherein the guide comprises two members each extending toward the second axis from the first axis, each of the two members having a hole shaped to receive the cylindrical axle.

29. (previously presented) The system of claim 21, further characterized in that the extensions in the first and second directions define a width, the width being less than one-third of the first length.

30. (previously presented) The system of claim 21 wherein the spatulate member is symmetric relative to the first axis.

31. (previously presented) The system of claim 21 further characterized as being sterile.